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Customer Number



Patent  
Case No.: 59424US003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: JING, NAIYONG  
Application No.: 10/720906 Group Art Unit: Unknown  
Filed: November 24, 2003 Examiner: Unknown  
Title: POLYMER ELECTROLYTE WITH AROMATIC SULFONE CROSSLINKING

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
<u>March 30, 2004</u>	<u>Phyllis J. Boettcher</u>
Date	Signed By: Phyllis J. Boettcher

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

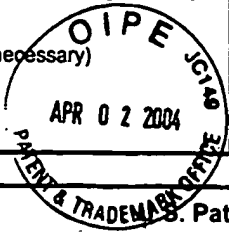
3/30/04  
Date

Respectfully submitted,

By: [Signature]  
Philip Y. Dahl, Reg. No.: 36,115  
Telephone No.: (651) 737-4029

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

Substitute for form 1449A/PTO (modified)		Application Number	10/720906
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 4		Filing Date	November 24, 2003
		First Named Inventor	Jing, Naiyong
		Art Unit	1713
		Examiner Name	Unknown
		Attorney Case Number	59424US003



U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
J.W.	A1	US- 3,635,926	01/18/1972	Gresham et al.	
J.W.	A2	US- 4,000,356	12/28/1976	Weisgerber et al.	
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J.W.	A4	US- 4,214,060	07/22/1980	Apotheker et al.	
J.W.	A5	US- 4,230,549	10/28/1980	D'Agostino et al.	
J.W.	A6	US- 4,242,498	12/30/1980	Rosser et al.	
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J.W.	A8	US- 4,330,654	05/18/1982	Ezzell et al.	
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J.W.	A18	US- 4,981,932	01/01/1991	Blaise et al.	
J.W.	A19	US- 5,260,351	11/09/1993	Logothetis	
J.W.	A20	US- 5,264,508	11/23/1993	Ishibe et al.	
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J.W.	A26	US- 5,986,012	11/16/1999	Legare et al.	
J.W.	A27	US- 6,011,074	01/04/2000	Sorenson et al.	
J.W.	A28	US- 6,090,895	07/18/2000	Mao et al.	

*Examiner: <i>J.W.</i>	Date Considered: <i>April 22-04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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J.W.	A29	US- 6,225,368 B1	05/01/2001	D'Agostino et al.	
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J.W.	A53	US- RE 37,701 E	05/14/2002	Bahar et al.	
	A54	US-			

*Examiner: <i>J.W. Du</i>	Date Considered: <i>4-20-05</i>
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		Ctry. Code	Number-Kind Code (if known)				
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J.W.	B26	WO	99/38897 (Abstract)	08/05/1999			
J.W.	B27	WO	00/52060	09/08/2000			

<b>*Examiner:</b> <i>[Signature]</i>	<b>Date Considered:</b> <i>A-20-05</i>
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		Ctry. Code	Number-Kind Code (if known)				
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	B37						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
J.W.	C1	10/325,278 Filed 12/19/2002; POLYMER ELECTROLYTE MEMBRANE; (57929US002)	
J.W.	C2	10/697,768 Filed 10/30/2003; AQUEOUS EMULSION POLYMERIZATION OF FUNCTIONALIZED FLUOROMONOMERS (58585US002)	
J.W.	C3	Kirk-Othmer, <u>Encyclopedia of Chemical Technology</u> , 3d ed., Vol. 10, (1980), pp. 840 – 855.	
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J.W.	A1	US- 3,282,875	11/01/1966	Connolly et al.	
J.W.	A2	US- 6,274,677 B1	08/14/2001	Tatemoto	
J.W.	A3	US- 6,498,216 B1	12/24/2002	Cheng	
J.W.	A4	US- 6,667,377 B2	12/23/2003	Feiring et al.	
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	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

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	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

## OTHER DOCUMENTS

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	C1		
	C2		
	C3		

\*Examiner: *Jm/Dm*Date Considered: *4-20-05*

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JW	A1	US- 4,218,542	08/19/1980	Ukihashi et al.	
JW	A2	US- 4,602,045	07/22/1986	Markus et al.	
JW	A3	US- 5,330,626	07/19/1994	Banerjee	
JW	A4	US- 5,466,930	11/14/1995	Schlenoff	
JW	A5	US- 6,224,994 B1	05/01/2001	Asukabe et al.	
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	A7	US-			
	A8	US-			
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JW	B1	EP	0 422 231 B1	12/27/1995			
JW	B2	EP	1 091 435 A1	04/11/2001	Daikin Industries, Ltd.		
JW	B3	WO	97/17381	05/15/1997	AlliedSignal Inc.		
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## OTHER DOCUMENTS

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JW	C1	Gab-Jin Hwang et al.; "Preparation Of Cation Exchange Membrane As A Separator For The All-Vanadium Redox Flow Battery", Journal of Membrane Science, Elsevier Scientific Publ. Company, Amsterdam, NL, Vol. 120, No. 1, October 30, 1996, pp. 55 - 67.	
	C2		
	C3		

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